

Kukevitskiy,
USSR/Physics - Residual stresses

FD-1075

Card 1/1 Pub. 153 - 11/24

Author : Garf, S. Ye., and Kukevitskiy

Title : Residual stresses in piston rings

Periodical : Zhur. tekhn. fiz., 24, No 10, 1830-1833, Oct 1954

Abstract : The authors describe the residual stresses in piston rings made of
"steel 45" (average composition: 0.45% C, 0.65% Mn, 0.27% Si) in
the case of surface induction hardening.

Institution : -

Submitted : March 25, 1954

KUKEYEV, T.K.

Oxygen therapy in obliterating endarteritis. Zdrav. Kazakh. 21
no. 4:19-22 '61. (MIRA 14:4)

1. Iz kafedry gosital'noy khirurgii (zav. - professor M.I. Bryakin)
Kazakhskogo meditsinskogo instituta.
(ARTERIES—DISEASES) (OXYGEN—THERAPEUTIC USE)

KUKEYEV, T. K.

Repeatedly recurring multiple lipomas of the retroperitoneal space. Zdrav. Kazakh. no.4:24-25 '62. (MIRA 15:6)

1. Iz kafedry gosspital'noy khirurgii (zav. - professor M. I. Bryakin) Kazakhskogo meditsinskogo instituta.

(RETROPERITONEAL SPACE--TUMORS)

KUKEYEV, T.K.

Data on the comparative evaluation of the results of treating
~~endarteritis~~ obliterans by intra-arterial administration
of some medical substances. Zdrav. kazakh. 21 no.12:8-13 '61.
(MIRA 15:3)

1. Iz kafedry gosspital'noy khirurgii (zav. - prof. M.I.
Bryakin) Kazakhskogo meditsinskogo instituta.
(ARTERIES--DISEASES) (ANESTHETICS)
(ADENOSINE TRIPHOSPHATES) (MAGNESIUM SULFATE--THERAPEUTIC USE)

KISELEV, L.L.; FROLOVA, L.Yu.; BORISOVA, O.F.; KUKHANOVA, M.K.

Secondary structure of transfer RNA determined from data of its formaldehyde reaction and ribonuclease hydrolysis. Biokhimiia 29 no. 1:116-125 Ja-F '64. (MIRA 18:12)

1. Institut radiatsionnoy i fiziko-khimicheskoy biologii AN SSSR, Moskva. Submitted May 23, 1963.

KUKHANOVA, M.K.; KISELEV, L.L.; FROLOVA, L.Yu.

Changes in the acceptor activity of soluble ribonucleic acids
during interaction with formaldehyde. Biokhimiia 28 no.6:
1053-1058 N-D'63 (MIRA 17:1)

1. Institute of Radiation and Physical-Chemical Biology,
Academy of Sciences of the U.S.S.R., Moscow.

L:10550-66 EWT(1)/EWA(1)/EWT(m)/EWA(b)-2 JK/RM

ACC NR: AP5027236

SOURCE CODE: UR/0020/65/164/006/1417/1420/

AUTHOR: Kukhanova, M. K.; Kaverin, N. V.

ORG: Institut of Molecular Biology, Academy of Sciences, SSSR (Institut molekulyarnoy biologii Akademii nauk SSSR); Institute of Virology im. D. I. Ivanovskiy, Academy of Medical Sciences, SSSR (Institut virusologii Akademii meditsinskikh nauk SSSR)

TITLE: Mechanism of depression of protein synthesis in cells infected with the virus of Newcastle disease

SOURCE: AN SSSR. Doklady, v. 164, no. 6, 1965, 1417-1420

TOPIC TAGS: cell physiology, protein, virus disease, ~~organic synthetic process~~, RNA, cytology, enzyme, biosynthesis

ABSTRACT: Earlier authors have suggested a breakdown of cellular poly-ribosomes as the reason for depressed protein synthesis under these conditions. In the search for additional reasons the authors used chicken embryo cells infected with RNA containing Newcastle disease virus, determined hemagglutinin in the cell cultures at various periods after infection, used C^{14} to label the aminoacids in the cell protein, and isolated the ribosome fractions for study. It was found that a

Card 1/2

L 10550-66

ACC NR: AP5027236

2

decrease of C^{14} aminoacids in total cell protein accompanied synthesis of the virus hemagglutinin. Protein synthesis dropped 2.5 fold $7\frac{1}{2}$ hours after infection. Hemagglutinin synthesis started after 5 hours to reach maximum after 11 hours. Content of C^{14} aminoacids in the cellular polyribosomes (fractions 1-15) decreased 1.5-2 fold after $7\frac{1}{2}$ hours while optical density at 260 m μ , which is a measure of ribosome quantity, remained practically unchanged for $7\frac{1}{2}$ hours. It was concluded that there is a stage after infection where the rate of cellular protein synthesis is reduced in the presence of intact polyribosomes. Why the polyribosomes work with considerably less efficiency at this stage is not yet understood. The activity of pH enzymes remained about the same for 12 hours. A small part of polyribosomes might be linked to the virus RNA, since hemagglutinin synthesis starts at about that stage. Decreased efficiency of intact ribosomes under these conditions has not yet been reported in the literature. This shows that the regulatory mechanism of protein synthesis acts not only on the genetic level but also at the stage of the still functioning polyribosome complex. This mechanism might be related not only to depressed protein synthesis in virus infection but also to the question of cellular protein synthesis regulation. "The authors wish to thank L. L. Kiseleva for her evaluation of the manuscript and her valuable advice." Orig. art. has: 3 figures.

SUB CODE: 06 / SUBM DATE: 28Oct64/ ORIG REF: 001/ OTH REF: 008

Card 2/2 *fu*

SIDEL'KOVSKIY, L.N., kand. tekhn. nauk, dotsent; SHCHEVELEV, V.N., inzh.;
KUKHANOVICH, A.I., inzh.

Study of laws governing surface erosion in a fluidized bed.
Izv. vys. ucheb. zav.; energ. 7 no.7:48-53 J1 '64
(MIRA 17:8)

1. Moskovskiy ordena Lenina energeticheskiy institut. Pred-
stavlena kafedroy ognevoy promyshlennosti. teploekhniki.

KUKHAR', A.A.

Equipment for checking and repairing electric tensiometering balances
and dynamometers. Izv.tekh. no.7:10-11 JI '62. (MIRA 15:6)
(Tensiometers---Testing) (Dynamometers---Testing)

KUKHAR', A. A.

Electric tensometer-type scales for weighing the components of
a charge. Izv. tekhn. no. 10:15 0 '62. (MIRA 15:10)

(Scales(Weighing instruments))

KUKHAR', A.A.

Mechanizing scale-checking operations. Izv. tekhn. no. 11:18-19
N '62. (MIRA 15:11)
(Scales (Weighing instruments)—Testing)

KUKHAR', F.I.; ANASHKIN, G.I.

Experience in starting and setting boilers with a three-stage evaporation system and external cyclones. Sakh./prom. 35 no.2:42-46 F '61.

(MIRA 14:3)

1. Korenovskiy askharnyy zavod (for Kukhar'). 2. "Promstroenergo-montazh" (for Anashkin).

(Korenevo—Sugar industry—Equipment and supplies)
(Boilers)

KUKHAR', I.

Source of fertility. Zemledelie 26 no.3:77 Mr '64.

(MIRA 17:4)

1. Predsedatel' kolkhoza imeni Vladimira Il'icha Leninskogo
proizvodstvennogo upravleniya Moskovskoy oblasti.

STREL'TSOV, O.A.; RUSOV, M.T.; KUKHAR', L.A.; LOZA, A.N.

Dependence of the activity of the ammonia catalyst GK-1
on the rate of gas flow in the course of the reduction.
Kin. i kat. 1 no. 4:597-603 N-D '60. (MIRA 13:12)

1. Institut fizicheskoy khimii imeni L.V. Pisarzhevskogo
AN USSR.

(Reduction)

(Catalysts)

VLASENKO, V.M.; KUKHAR', L.A.; RUSOV, M.T.; SAMCHENKO, N.P.

Adsorption of hydrogen and carbon monoxide on a nickel
catalyst. Kin. i kat. 5 no.2:337-344 Mr-Ap '64.

(MIRA 17:8)

1. Institut fizicheskoy khimii imeni Pisarzhevskogo AN UkrSSR.

VLASENKO, V.M.; KUKHAR', L.A.; ROZENFEL'D, M.G.; RUSOV, M.T.

State of the promoting potassium salt added to a
zinc-chromium catalyst of isobutyl alcohol synthesis.
Khim.prom. no.9:555-558 Ag '62. (MIRA 15:9)
(Isobutyl alcohol)
(Catalysts)

NAYDENOVA, A.B.; KUKHAR', T.I.; BABICHEVA, M.M., ekonomist

Let's improve the planning and economic work in telecommunication enterprises. Vest. svyazi 24 no.3:14-15 Mr '64. (MIRA 17:4)

1. Zamestitel' nachal'nika planovo-ekonomicheskogo upravleniya Ministerstva svyazi Litovskoy SSR (for Naydenova). 2. Nachal'nik planovo-finansovogo otdela Lipetskogo oblastnogo upravleniya svyazi (for Kukhar'). 3. Ssaratovskiy gorodskoy radiouzel (for Babicheva).

KUKHAR', V.A.

Standard reference data is a basis for efficient design.
Standartizatsiia 29 no.7:8-10 J1 '65. (MIRA 18:11)

1. Glavnyy spetsialist Gosudarstvennogo komiteta standartov,
mer i izmeritel'nykh priborov SSSR.

KUKITAK, V.A.

KUFARI, V.A.

Conference on the improvement of the standardization and
measuring equipment in our country. izm. tekhn. no. 4:46-48
Ap 1965. (MIRA 18:7)

SHVETSOV, Konstantin Ivanovich; BEVZ, Grigoriy Petrovich; STEKHAR',
V.M., red.; CHENAKAL, Ye.A., red.; KOSNITSEN, N.M., red.

[Textbook on elementary mathematics; arithmetics, algebra]
Spravochnik po elementarnoi matematike; arifmetika, algebra.
Kiev, Naukova dumka, 1965. 414 p. (MIRA 18:9)

KUPCHAN', V. M.

KUPCHAN', V. M. -- "The Development of the Concept of Number in the Intermediate School." Kiev State Pedagogical Inst imeni A. M. Gor'-kiy. Kiev, 1955. (Dissertation for the Degree of Candidate in Pedagogical Sciences)

SO: Knizhnaya Letopis', No 1, 1956

ACC NR: AP7000243

SOURCE CODE: UR/0079/66/036/004/0735/0738

AUTHOR: Shevchenko, V. I.; Kukhar', V. P.

ORG: Institute of Organic Chemistry, AN UkrSSR (Institut organicheskoy khimii AN UkrSSR)

TITLE: Reactions of dinitriles of succinic and fumaric acids with phosphorus pentachloride

Moscow, Zhurnal Obshchey Khimii, Vol 36, No 4, 1966, pp 735-738

Abstract: Dinitriles of succinic, fumaric, and chloromaleic acids react with phosphorus pentachloride in boiling chlorobenzene to form cyclic 2,3,4-trichloro-5-imino-N-tetrachlorophosphorus-pyrrolenine. The structure of the latter was confirmed by infrared spectra. It is extremely stable to the action of halogens and halogen compounds of phosphorus. It reacts readily with nucleophilic reagents water, alcohols, amines, and amides of acids. It reacts with benzenesulfamide according to the Kirsanov scheme, to form 2,3,4-trichloro-5-iminopyrrolenyldichlorophosphazosulfonylphenyl, which is readily hydrolyzed by atmospheric moisture, forming dichloromaleimide. Under the action of acetic acid or sulfur dioxide, the original iminopyrrolenine is readily converted to 2,3,4-trichloro-5-imino-N-dichlorophosphonylpyrrolenine. [JPRS: 37,177]

Card 1/2

UDC: 547.461.4

0923 0784

ACC NR: AP7000243

TOPIC TAGS: phosphorus chloride, organic nitrile compound, fumaric acid,
halogenated organic compound

SUB CODE: 07 / SUBM DATE: 13 May 65 / ORIG REF: 003 / OTH REF: 002

Card 2/2

KRETOV, A.Ye.; ABRAZHANOVA, Ye.A.; ZLOTCHENKO, S.I.; KUKHAR', V.P.

Arene sulfamido ketones. Zhur.ob.khim. 33 no.7:2355-2357 J1
'63. (MIRA 16:8)
(Acetophenone) (Sulfamide)

L 1036-57 JAP(3)/EWT(m) RM
ACC NR: AP7003110

SOURCE CODE: UR/0079/66/036/007/1260/1262

AUTHOR: Shevchenko, V. I.; Kukhar', V. P.

ORG: Institute of Organic Chemistry, AN UkrSSR (Institut organicheskoy khimii AN UkrSSR)

TITLE: Omega, omega'-bistrichlorophosphazo-alpha, alpha, beta, beta, alpha', alpha', -beta', beta'-octachloroalkenes

SOURCE: Zhurnal obshchey khimii, v. 36, no. 7, 1966, 1260-1262

TOPIC TAGS: organic nitrile compound, phosphorus chloride, phosphorylation

ABSTRACT: Dinitriles of higher omega, omega'-dibasic carboxylic acids, beginning with glutaronitrile, react with phosphorus pentachloride at both nitrile groups simultaneously, forming omega, omega'-bistrichlorophosphazo-alpha, alpha, beta, beta, alpha', alpha', beta', beta'-octachloroalkenes. No cyclic phosphorylation products could be obtained, nor could the reaction be conducted on only one nitrile group. The phosphazo-compounds with an odd number of methylene groups were difficult to crystallize and melted at a temperature lower than their closest homologs with an even number of methylene groups. Bistrichlorophosphazooctachloroalkenes were readily hydrolyzed by atmospheric moisture and reacted readily with amines, alcohols, and acids. The reaction with acetic acid yielded dichlorides of N, N'-bis(dichlorophosphonyl)-alpha, alpha, alpha', alpha'-tetrachloro-omega, omega'-bisaminocarboxylic acids. Orig. art. has: 2 tables. [JPKS: 38,970]

SUB CODE: C7 / SUBM DATE: 25Jun65 / ORIG REF: 004

Card 1/1

UDC: 547.412.76

ACC NR: 01008-66 EWT(m)/EWP(j) RM/WW SOURCE CODE: UR/0079/66/036/003/0467/0469
 39
 38
 B

AUTHOR: Shovchonko, V. I.; Kulhar', V. P.; Kirsanov, A. V.
 ORG: Institute of Organic Chemistry, AN UkrSSR (Institut organicheskoy khimii AN UkrSSR)
 TITLE: Phosphorylation of 2-alkoxypropionitriles
 SOURCE: Zhurnal obshchey khimii, v. 36, no. 3, 1966, 467-469
 TOPIC TAGS: phosphorylation, organic nitrile compound, reaction rate, organic azo compound, reaction mechanism, reaction temperature
 ABSTRACT: 2-Alkoxypropionitriles react at 100° with phosphorus pentoxide simultaneously at the alkoxy and nitrile groups, or only at the nitrile group. With increasing molecular weight of the alkyl radical, the reaction rate at the alkoxy group is sharply reduced, while the reaction rate at the nitrile group remains essentially unchanged. 2-Methoxypropionitrile splits off the methoxyl group, and trichlorophosphazo-1,1,2,2,3-pentachloropropyl is formed; 2-ethoxypropionitrile gives a mixture of trichlorophosphazo-1,1,2,2,3-pentachloropropyl and trichlorophosphazo-1,1,2,2-tetrachloro-3-ethoxypropyl. 2-Propoxy-, 2-butoxy-, and 2-phenoxypropionitriles react only at the nitrile group, to form trichlorophosphazo-1,1,2,2-tetrachloro-3-alkoxy- and -3-phenoxypropyls, respectively. Trichlorophosphazo-1,1,2,2-tetrachloro-3-

UDC: 547.491

Card 1/2

FRISTOV, A.Ye. [deceased]; ABRAMZHANOVA, Ye.A.; KUKHAR', V.P.

Oximes of alkoxy- and aroxy-cyclohexanones. Zhur. org. khim. 1 no.6:
1021-1022 Je '65. (MIRA 18:7)

BARAMBOYM, N.K., doktor khimicheskikh nauk, prof.; KUKHARCHIK, M.M.,
aspirant

Investigating the properties of solutions of watersoluble polymer
mixtures. Nauch. trudy MTILP no.30:108-116 '64.

(MIRA 18:6)

1. Kafedra fizicheskoy i kolloidnoy khimii Moskovskogo tekhnolo-
gicheskogo instituta legkoy promyshlennosti.

KUKHARCHIK, M.M., aspirant; BARAMBOYM, N.K., prof., doktor khim. nauk

Basic characteristics of the solutions of polymer mixtures.
Nauch. trudy MTILP 25:106-117 '62. (MIRA 16:8)

1. Kafedra fizicheskoy i kolloidnoy khimii Moskovskogo
tekhnologicheskogo instituta legkoy promyshlennosti.

KUKHARCHIK, M.M., aspirant; BARAMBOYM, N.K., doktor khimicheskikh nauk,
prof.

Characteristics of the methods for the analysis of the aqueous
solutions of polymers. Nauch. trudy MTILP no.29,117-126 '64.

(MIRA 1814)

1. Kafedra fizicheskoy i kolloidnoy khimii Moskovskogo tekhnologicheskogo instituta legkoy promyshlennosti.

SIROTKIN, Z.L.; KUKHARCHIK, M.P.

Factors affecting the stability of a high carrying-capacity tractor train. Avt. prom. 28 no.7:23-27 J1 '62.

(MIRA 16:6)

1. Belorusskiy avtozavod i Minskiy avtozavod.
(Tractor trains)

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000827230010-8

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000827230010-8"

TIKHONENKOV, I.P.; KUKHARCHIK, M.V.; PYATENKO, Yu.A.

Wadeite from the Khibiny Massif and the conditions of its formation.
Dokl.AN SSSR 134 no.4:920-923 0 '60. (MIRA 13:9)

1. Institut mineralogii, geokhimii i kristalloghimii redkikh
elementov Akademii nauk SSSR, Predstavleno akad. N.V.Belovym.
(Khibiny Mountains--Wadeite)

KALITA, A.P.; BYKOVA, A.V.; KUKHARCHIK, M.V.

Varieties of pyrochlore and betafite in pegmatites. Trudy IMGRE
no.8:201-211 '62. (MIRA 16:1)
(Pyrochlore) (Betafite) (Pegmatites)

KUKHARCHIK, N. [Kucharczyk, N.]; ZHVAKOVA, A. [Zvakova, A.]

Identification of catalytic oxidation products of some pyridine bases by the air in the presence of ammonia. Coll Cz Chem 28 no.1:55-60 Ja '63.

1. Nauchno-issledovatel'skiy institut koksokhimii, Zavody im. Urksa, Ostrava.

KOVAL', N.M., nauchnyy sotr., kand. sel'khoz. nauk; GERMAN, Ya.B., starshiy nauchmyy sotr.; BIRYUKOV, Yu.V., starshiy nauchmyy sotr.; MART'YANOVA, O.A., starshiy nauchnyy sotr.; SHASHKOV, I.G., nauchnyy rabotnik; KORSHAK, I.T.; BROZHEYT, M.F.; KUKHARCHUK, G.N.; YEFREMOV, N.V., red.; CHEREVATSKIY, S.A., tekhn. red.

[Technological charts for grape cultivation] Tekhnologicheskie karty po vozdeleyvaniyu vinograda. Kiev, Gos.izd-vo sel'khoz. lit-ry USSR, 1961. 141 p. (MIRA 15:3)

1. Ukrainskiy nauchno-issledovatel'skiy institut vinogradarstva i vinodeliya im. Tairova (for Koval', German, Biryukov, Mart'yanova). 2. Zakarpatskaya opytnaya stantsiya (for Shashkov). 3. Ministerstvo sel'skogo khozyaystva USSR (for Korshak, Brozhey, Kucharchuk).

(Ukraine--Viticulture)

Август 1944 г.

AGALINA, M.S., inzh.; AKUTIN, T.K., inzh.; APRESOV, A.M., inzh.; ARISTOV, S.S., kand. tekhn. nauk.; BELOSTOTSKIY, O.B., inzh.; BERLIN, A.Ye., inzh.; BESSKIY, K.A., inzh.; BLYUM, A.M., inzh.; BRAUN, I.V., inzh.; BRODSKIY, I.A., inzh.; BURAKAS, A.I., inzh.; VAYNMAN, I.Z., inzh.; VARSHAVSKIY, I.N., inzh.; VASIL'Yeva, A.A., inzh.; VORONIN, S.A., inzh.; VOYTSEKHOVSKIY, L.K., inzh.; VRUBLEVSKIY, A.A., inzh.; GERSHMAN, S.G., inzh.; GOLUBYATNIKOV, G.A., inzh.; GORLIN, M.Yu., inzh.; GRAMMATIKOV, A.N., inzh.; DASHEVSKIY, A.P., inzh.; DIDKOVSKIY, I.L., inzh.; DOBROVOL'SKIY, N.L., inzh.; DROZDOV, P.F., kand. tekhn. nauk.; KOZLOVSKIY, A.A., inzh.; KIRILENKO, V.G., inzh.; KOPELYANSKIY, G.D., kand. tekhn. nauk.; KORETSKIY, M.M., inzh.; KUKHARCHUK, I.N., inzh.; KUCHER, M.G., inzh.; MERZLYAK, M.V., inzh.; MIRONOV, V.V., inzh.; NOVITSKIY, G.V., inzh.; PADUN, N.M., inzh.; PANKRAT'YEV, N.B., inzh.; PARKHOMENKO, V.I., kand. biol. nauk.; PINSKIY, Ye.A., inzh.; POMLUBNYI, S.A., inzh.; PORAZHENKO, F.F., inzh.; PUZANOV, I.G., inzh.; REDIN, I.P., inzh.; REZNIK, I.S., kand. tekhn. nauk.; ROGOVSKIY, L.V., inzh.; RUDERMAN, A.G., inzh.; RYBAL'SKIY, V.I., inzh.; SADOVNIKOV, I.S., inzh.; SEVER'YANOV, N.N., kand. tekhn. nauk.; SEMESKO, A.T., inzh.; SIMKIN, A.Kh., inzh.; SURDUTOVICH, I.N., inzh.; TROFIMOV, V.I., inzh.; FEFER, M.M., inzh.; FIALKOVSKIY, A.M., inzh.; FRISHMAN, M.S., inzh.; CHERESHNEV, V.A., inzh.; SHESTOV, B.S., inzh.; SHIFMAN, M.I., inzh.; SHUMYATSKIY, A.F., inzh.; SHCHERBAKOV, V.I., inzh.; STANCHENKO, I.K., otv. red.; LISHIN, G.L., inzh., red.; KRAVTSOV, Ye.P., inzh., red.; GRIGOR'YEV, G.V., red.; KAMINSKIY, D.N., red.; KRASOVSKIY, I.P., red.; LEYTMAN, L.Z., red. [deceased]; GUREVICH, M.S., inzh., red.; DANILEVSKIY, A.S., inzh., red.; DEMIN, A.M., inzh., red.; KAGANOV, S.I., inzh., red.; KAUFMAN, B.N., kand. tekhn. nauk., red.; LISTOPADOV, N.P., inzh., red.; MENDELEVICH, I.R., inzh., red. [deceased];

(continued on next card)

AGALINA, M.S.... (continued) Card 2.

PENTKOVSKIY, N.I., inzh., red.; ROZENBERG, B.M., inzh., red.; SLAVIN, D.S., inzh., red.; FEDOROV, M.P., inzh., red.; TSYMBAL, A.V., inzh., red.; SMIRNOV, L.V., red. izd-va.; PROZOROVSKAYA, V.L., tekhn. red.

[Mining ; an encyclopedic handbook] Gornoe delo; entsiklopedicheski spravochnik. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po ugol'noi promyshl. Vol. 3. [Organization of planning; Construction of surface buildings and structures] Organizatsiia proektirovaniia; Stroitel'stvo zdanii i sooruzhenii na poverkhnosti shakht. 1958. 497 p. (MIRA 11:12)

(Mining engineering)

(Building)

SOV/62-58-8-14/22

AUTHORS: Andrianov, K. A., Nikitenkov, V. Ye., Kukharchuk, L. A.,
Sokolov, N. N.

TITLE: The Synthesis of Organosilicon Compounds With Phenylene-
Siloxane Chains of the Molecules (Sintez kremneorganicheskikh
soyedineniy s fenilensiloksanymi tsapymi molekul)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye khimicheskikh nauk,
1958, Nr 8, pp. 1004-1006 (USSR)

ABSTRACT: In the present report the authors describe the first re-
presentatives of the compounds with phenylene siloxane chains
of the molecules surrounded by methyl groups. These were pro-
duced by the authors by means of the action of magnesium on
p-dibromobenzene with a subsequent decomposition of the
Grignard reagent by dimethyl dichlorosilane. As was found by
the experiment the 1,4-bis-(dimethyl chlorosilane) benzene
was formed in the reaction carried out. In the investigation
of further reactions two condensation products were synthesized
(condensation of 1,4-bis-(dimethyl chlorosilane) benzene). In
preparing the monomers for the synthesis of compounds with

Card 1/2

The Synthesis of Organosilicon Compounds With Phenylene-Siloxane Chains of
the Molecules

SOV/62-58-8-14/22

phenylene siloxane chains surrounded by methyl-phenyl groups,
the 1,3-(methyl-phenylchloro) disiloxane was separated which
has hitherto not been described in publications.

ASSOCIATION: Vsesoyuznyy elektrotekhnicheskiy institut im. V. I. Lenina
(All-Union Institute of Electrical Engineering imeni V. I.
Lenin)

SUBMITTED: March 1, 1958

Card 2/2

KUKHARCHUK, N.N., inzh.

Technical and economic analysis of waste dump formation with plows.
Nauch. zap. Ukrniiproekta no.2:118-129 '60. (MIRA 15:1)
(Strip mining)

DALITSKIY, Yu.L. (Kiyov); EDISHCHUK, D.M. (Kiyov)

Equations of the first order with functional derivatives.

Ukr. int. shr. 17 no.6:114-117 '65.

(MIRA 19:1)

1. Submitted June 10, 1965.

LEPILKIN, N.M., inzh.; AKSENOV, V.P., kand. tekhn. nauk; KUKHARCHUK, N.N.,
inzh.; KABYSH, V.L., inzh.; LYALIN, Yu.K., inzh.

Method of laying out quarries for the quarrying of rock products.
Gor. zhur. no.6:53-55 Je '65. (MIRA 18:7)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut
ugol'noy, rudnoy, neftyanoy i gazovoy promyshlennosti UkrSSR, Kiyev.

KUKHARCHUK, N.N., inzh.; SHEKTOROV, Yu.Z., inzh.; BOGDANYUK, V.Ye.,
inzh.; SOLODNIKOVA, G.S., inzh.

Estimating the efficiency of using conveyor haulage in Rozdol
sulfur pits. Nauch.zap.Ukrniiproekta no.5:131-138 '61.

(MIRA 15 7)

(Rozdol region--Conveying machinery)

KUKHARCHUK, V.P., inzh.

Use of electron computers for the calculation of a long-range
plan for the distribution of classification yards. Vest. TSNII
(MIRA 18:9)
MPS 24 no.6:56-59 '65.

KUKHARCHUK, V. V.

Graudyn', N. I., Kukharchuk, V. V. and Kremneva, M. Ye. - "Study of the grades of meat from sheep," Sbornik nauch. rabot (Vsesoyuz. nauch.-issled. in-t ovtsevodstva i kozovodstva), Issue 17, 1948, p. 151-73

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Stat'ey, No. 15, 1949)

KUKHARCHUK, V. V.

Kukharchuk, V. V. - "Experimental verification in the norm of sheep feeding," Sbornik nauch. rabot (Vsesoyuz. nauch.-issled. in-t ovtsevodstva i kozovodstva), Issue 17, 1948, p. 174-96

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949.)

1. KUKHARCHUK, V. V.
2. USSR (600)
4. Caucasus, Northern - Sheep - Feeding and Feeding Stuffs
7. Green pasture feed supply for sheep in the steppe zone of Northern Caucasus.
Dost. sel'khoz. no. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

KUMAROV, V. - Co-author with A. Silenkov of "Green Pastures and the Steppe Zone of the Northern Caucasus"-(Zolonyy pastbishchnyy konveyer dlya ovets v stepnoy Zone Severnogo kavkaza).

SO: Kolkhosnoye Proizvodstvo, Vol. 121/122, pp. 1-4; No. 123, pp. 1-2
August, 1952 (Trans 139 by L. Lulich)

Uncl

lme

KUKHARCHUK, V. V.

SILENKO, Z. V.; KUKHARCHUK, V. V.

Caucasus, Northern - Feeding and Feeding Stuffs

Green fodder plan for sheep in the steppe zone of Northern Caucasus. Korm. baza 4,
No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Unclassified.

KUKHARCHUK, V. V.

KUKHARCHUK, V. V. -- "Organization of Adequate Feeding of Lambs in the Steppe Areas of Stavropol' Kray." *(Dissertations for Degrees in Science and Engineering defended at USSR Higher Educational Institutions) All-Union Sci Res Inst of Animal Husbandry, All-Union Sci Res Inst of Sheep and Goat Breeding, Stavropol', 1954.

SO: Knizhnaya Letopis' No. 31, 30 July 1955.

*For the Degree of Candidate in Agricultural Sciences.

КУКХАРЕНКО, А.А.

KUKHARENKO, A.A., agronom; MEL'NIKOVA, O.M.

Utilizing waste water sedimentation in suburban farming and landscape
gardening. Gor.khoz.Mosk.28 no.2:23-27 F '54. (MLRA 7:5)
(Sewage as fertilizer)

KUKHARENKO, A.A., agronom

Residue from sewage purification is a valuable organic fertilizer.
Gor.khoz.Mosk. 35 no.5:34-36 My '61. (MIRA 14:6)
(Sewage as fertilizer)

KUKHARENKO, A.A.; PODLESNYUK, N.S.

Best system for the operation of sedimentation basins. Vol.1
san.tekh. no.5:32-34, My '62. (MIRA 15:7)
(Water-Purification)

Ca

8

Wulfenite from the Kayl-Kape deposits in the north-western Pribaltzhsk's. A. A. Kucharenko. *Uchenye Zapiski Leningrad. Gosudarst. Univ.* 1939, No. 3 (No. 31), 71-83; *Khim. Referat. Zhur.* 1940, No. 2, 201. The polymetallic Kayl-Kape deposits are situated in the Karakalin district, 112 km. to the northwest from the Kounrad mine. The ore bodies consist either of single veins or of nest-like accumulations near their contact with the granite-porphry dykes. The primary ore minerals include galena, pyrite, chalcopryite, sphalerite, arsenic pyrite, pyrrhotite and some hematite and polybasite. In the enriched zone there are also found bornite, chalcocite and covellite. The oxidized zone contains limonite, pyrolusite, cerussite, anglesite, siderite, malachite, azurite, chrysocolla, brochantite, wulfenite, pyromorphite, vanadinite and Fe, Pb and Mo ochers. The vein minerals include quartz, calcite, kaolin, gypsum, chalcocite and opal. Wulfenite is found often in these hydrothermal deposits. It is in the same paragenesis with opal, chalcocite, calcite, Cu carbonates, cerussite, gypsum and ochers, less often with pyromorphite and vanadinite. It is often found in the form of pseudomorphs after galena. The wulfenite crystals, which are usually fine (1-2 mm. cross section), are thick-plate or, sometimes, cubic to flat pyramidal in habit. The ratio of the axes is $a:b:c = 1:1.57305:2.105$, ± 2.285 . Chem. analysis of wulfenite gave: PbO 60.70, MoO_3 38.17, Cr_2O_3 0.18. The genesis of wulfenite is, probably, connected with the action on cerussite of Mo solns. circulating in the oxidation zone. The Mo is derived from the primary sulfide ores (probably in the form of Mo in chalcopryite). W. R. Henn.

CA

8

Two types of rounded Ural diamond crystals. A. A. Kukhatenko, *Doklady Akad. Nauk S.S.S.R.* 50, 477-48 (1945); cf. C.A. 41, 1055. Shavranovskii described Ural diamonds which are of the Brazilian type, with strongly rounded forms. By measurements with the two-circle goniometer the curvature is accurately detd. K. confirmed these geometric rules also for the much deformed crystals which, however, prevaillingly belong to the ordinary dodecahedron type, sometimes twinned, or to the cuboctahedron (120), or the hexoctahedron (482). The coordinates for the dodecahedron and octahedron types are given in tables, for a statistical material of crystals from Ust-Tyrm, and Kusa-Aleksandrowsk. The

strong prevalence of the octahedral type in the yellow-stained crystals is striking. W. Rittel

1. KUKHARENKO, A. A.
2. USSR (600)
4. Ural Mountains - Mineralogy
7. Mineralogy of the diamond bearing deposits in the western slope of the Central Urals. (Abstract.) Izv.Glav.upr.geol.fon. no. 3, 1947
9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

KUKHARENKO, A.A.

Using the orientation of pebbles to reconstruct a model of the
formation of beach gravel. Nauch.biul.Len.un. no.21:43-47 '48.
(MLRA 10:3)

1. Geologo-pochvennyy kaful'tet.
(Pebbles)

KUKHARENKO, A. A.

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
Mineralogical and
Geological Chemistry

X-ray data on florencite and kolvinite. V. A. Frank-
Kamenetskii, A. I. Kuznetsov, and V. V. Margov. A. A.
Zhdanov State Univ., Leningrad. *Zapiski Vostochno-
Mineralog. Obschestva* (Mem. soc. russe mineral.) 82,
297-301 (1953); cf. A. A. Kukharencov. *Ibid.* 80, 238
(1951); V. A. N. Labgutsov. *Trudy Mineralog. Muzeja,
Akad. Nauk S.S.S.R.* 1950, No. 2, 135-6. — The identity
of florencite with "kolvinite" is shown by extensive optical,
goniometric, and x-ray measurements. The florencite
described by Prior and Muscat (*Mineralog. Mag.* 12, 241
(1900)) is somewhat different, with lower n_x and d_x , and
the same is true for stiepelmannite (cf. Ramsdohr and Thilo,
G.A. 34, 2202). The minerals form an isomorphous series
of rhombohedral symmetry. The unit cells of florencite
and kolvinite: $a_0 = 0.960 \pm 0.005$ A.; $c_0 = 10.31 \pm 0.04$
A.; $c_0/a_0 = 2.35$; $d_x = 3.67-3.70$. For stiepelmannite:
 $a_0 = 0.76$ A.; $c_0 = 10.52$ A.; $c_0/a_0 = 2.40$; $d_x = 3.608$.

W. Bittel

9-2-54
JJP

KUKHARENKO, A.A. (Leningrad)

Orientation of debris in stream deposits. Uch.zap.Len.un.no.159:59-92
'53. (Sedimentation and deposition) (MLRA 9:6)

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000827230010-8

CHAPMAN A.A.

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R000827230010-8"

KUKHARENKO, A.A.; TITOVA, V.M.

Recent data on the solution of diamond crystals. Uch.zap.
LGU no.215:108-134 '57. (MIRA 12:5)
(Diamonds)

KUKHARENKO, A.A.

Method for quantitative mineralogical analysis of heavy mineral
fractions. Uch.zap.LGU no.215:157-179 '57. (MIRA 12:5)
(Mineralogy, Determinative)

KUKHARENKO, A.A.

Paleozoic complex of ultrabasic and alkali rocks in the Kola
Peninsula and rare metal deposits. Zap. Vses. min. ob-va 87
no.3:304-314 '58. (MIRA 11:10)
(Kola Peninsula--Ore deposits)

SOV/11-59-3-10/17

3(8)

AUTHORS: Volotovskaya, N.A., Kukharensko, A.A.

TITLE: Types of Carbonatite Deposits and Their Relation to
Masses of Ultrabasic-Alkaline Rock (O tipakh karbo-
natitovykh mestorozhdeniy i ikh svyazi s massivami
ul'traosnovnykh - shchelochnykh porod)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya,
1959, Nr 3, pp 110-112 (USSR)

ABSTRACT: The authors review the article with the above title,
published in the "Izvestiya Akademii nauk SSSR,
seriya geologicheskaya" (News of the AS USSR,
Geological Series), Nr 5, 1957, by L.S. Borodin.
In the first section the article provides the general
characteristics of carbonatites, predominantly from
African deposits. The second section explains both
the mechanism of forming complex masses of ultrabasic-
alkaline rock and the formation processes of carbona-
tites. These complex petrological problems were
treated on the basis of ultrabasic-alkaline masses of

Card 1/3

SOV/11-59-3-10/17
Types of Carbonatite Deposits and Their Relation to Masses of
Ultrabasic-Alkaline Rock

of the Kola Peninsula and of those in Northern Siberia. Decisive objections are raised to Borodin's statements on the origins of alkaline rock, their interrelations with ultrabasites, genesis of rare-metal mineralization, etc. The statement by L.S. Borodin on the origin of alkaline rock as a result of the hypothetical process of "nephelinization" of pyroxenites is proven by the fact that independent melteigite-ijolite intrusions, known within the bounds of the Southern Kandalaksha strip of the lower-Paleozoic masses of ultrabasic-alkaline rock, do, in fact, exist. The same holds true for Borodin's statement regarding the metasomatic nature of perovskite and apatite in ultrabasic rock of masses under discussion. The authors conclude that much remains unclear regarding the origin of rare-metal deposits, genetically con-

Card 2/3

SOV/11-59-3-10/17
Types of Carbonatite Deposits and Their Relation to Masses of
Ultrabasic-Alkaline Rock

nected to magmatic complexes of ultrabasic-alkaline
rock.

SUBMITTED: November 16, 1957

Card 3/3

KUKHARENKO, A.A.; KONDRAT'YEVA, V.V.; KOVYAZINA, V.M.

"Cafetite," a new hydrous calcium and iron titanate. Zap.Vses.mim.
ob-va 88 no.4:444-453 '59. (MIRA 12:11)

1. Deystvitel'nyy chlen Vsesoyuznogo mineralogicheskogo obshchestva
(for Kukhareno).

(Kola Peninsula--Titanates)

KUKHARENKO, A.A. ; VAYNSHTEYN, E.Ye.; SHEVALEYEVSKIY, I.D.

The zirconium hafnium ratio in rock-forming pyroxenes and zirconium minerals of the Paleozoic complex of ultrabasic and alkaline rocks in the Kola Peninsula. Geokhimiia no.7:610-617 '60. (MIRA 13:11)

1. Chair of Geochemistry, Leningrad State University and V.I. Vernadsky Institute of Geochemistry and Analytical Chemistry, Academy of Sciences, U.S.S.R., Moscow.
(Kola Peninsula--Rocks, Igneous) (Zirconium)
(Hafnium)

KUKHARENKO, A.A.; SMIRNOV, Yu.D.

Stratigraphy and conditions of formation of the lower Paleozoic
of the western slope of the Central Urals. Mat.VSEGEI.Ob.ser.
no,28:51-66 '60. (MIRA 14:6)
(Ural Mountains—Geology, Stratigraphic)

KUKHARENKO, A.A.

Age of the Asha series in the western slope of the Central and
Northern Urals. Vest. LGU 15 no.24:45-60 '60. (MIRA 13:12)
(Ural Mountains--Geological age)

BULAKH, A.G.; IL'INSKIY, G.A.; KUKHARENKO, A.A.

Zirkelite from deposits of the Kola Peninsula. Zap. Vses. min. ob-va
89 no.3:261-273 '60. (MIRA 13:8)

(Kola Peninsula--Zirkelite)

SMIRNOV, Yu.D., KIVKHARENKO, A.A.

Peridotites from the basin of the Uls River (Northern Urals) and
their relation to the kimberlite group. Uch. zap. LGU no.291:64-90
'60. (MIRA 13:7)

(Uls Valley--Peridotite)

KUKHARENKO, A.A.; KRAVTSOV, Ya.M.

Geochemistry of zirconium and beryllium in ultrabasic alkaline rocks. Dokl.AN SSSR 134 no.4:931-934 O '60. (MIRA 13:9)

1. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova.
Predstavleno akad. A.A.Polkanovum.

(Zirconium)

(Beryllium)

(Kola Peninsula--Rocks, Igneous)

KUKHARENKO, Aleksandr Aleksandrovich; TATARSKIY, V.B., red.; POSPELOVA,
A.M., red. izd-va; GUROVA, O.A., tekhn. red.

[Minerology of placer deposits] Mineralogiia rossyspei. Moskva,
Gos. nauchno-tekhn. izd-vo lit-ry po geologii i okhrane neдр, 1961.
316 p. (MIRA 14'11)

(Minerology)

TARUSHKOVA, N.N.; KUKHARENKO, A.A.; TATARSKIY, V.B., red.; GOL'DBERG,
R.Ya., red. izd-va; GUROVA, O.A., tekhn. red.

[Atlas of placer minerals] Atlas mineralov rossypei. Moskva, Gos.
nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1961. 435 p.
(MIRA 14:11)

(Minerals)

S/081/62/000/005/022/112
B149/B101

AUTHORS: Kukhareenko, A. A., Skrizhinskaya, V. I., Vaynshteyn, E. Ye.,
Kakhana, M. M.

TITLE: Geochemistry of niobium and tantalum in the complexes of
ultrabasic-alkali rocks

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 5, 1962, 122-123,
abstract 5046 (Zap. Vses. mineralog. o-va, v. 90, no. 2,
1961, 172-192)

TEXT: Certain regularities of Nb and Ta behavior in the formation process
of the ultrabasic-alkali intrusions of the Kola Peninsula are considered.
Numerous chemical and spectral analyses of rocks and minerals have
established that Nb and Ta are characteristic elements of the given
complexes. The average contents of these in the massifs of the Kola

Peninsula fluctuate within the range: $1.34-5.18 \cdot 10^{-2}$ % Nb and
 $1.32-5.96 \cdot 10^{-3}$ % Ta. The character of Nb and Ta distribution and the
forms of their occurrence are different for various stages of massif

Card 1/2

Geochemistry of niobium and tantalum in...

S/081/62/000/005/022/112
B149/B101

formation. Data are supplied regarding the contents of Nb_2O_5 and Ta_2O_5 in 138 specimens of minerals from these rocks (pyroxene, hornblende, phlogopite, melanite, schorlomite, sphene, titanomagnetite, perovskite, baddeleyite, pyrochlore, zirkelite, natroniobite, dysanallyte). During the initial stages of the massifs' formation Nb and Ta do not form individual minerals, but are endocryptically seized by the rockforming silicates and compound oxides of Ti; the process of minerogenesis Ta precedes Nb. In the products of residual crystallization (pegmatites) of a given magma, these elements form individual minerals (pyrochlore) or appear as components of compound oxides of Zr and Ti (baddeleyite, dysanallyte). During the post-magmatic stage the various metasomatic processes bring about their local concentrations. Greater mobility of Nb than Ta is established. The separation of Nb and Ta is conditioned by the factor of crystallo-chemical selection resulting in selective endocryptic position of Ta in structures of Zr-minerals, and collection in the complex oxides with reduced coordination ratio. [Abstracter's note: Complete translation.]

Card 2/2

KUKHARENKO, A.A.; BULAKH, A.G.; BAKLANOVA, K.A.

Sulfate-monazite from the carbonatites of the Kola Peninsula. Zap.
Vses.min.ob-va 90 no.4:373-381 '61. (MIRA 14:9)
(Kola Peninsula--Monazite)

KUKHARENKO, A.A.; FRANK-KAMENETSKIY, V.A.; SHAFRANOVSKIY, I.I.

"Minerals," Vol.1. Reviewed by A.A. Kukharenko, V.A. Frank-Kamenetskii, I.I. Shafranovskii. Zap.Vses.min.ob-va 90 no.5: 608-615 '61. (MIRA 14:10)

(Mineralogy, Determinative)

KUKHARENKO, A.A.; DONTSOVA, Ye.I.

Genesis of carbonatites. Geol.rud.mestorozh. no.2:32-47 Mr-Apr
'62. (MIRA 15:4)

1. Leningradskiy gosudarstvennyy universitet i Institut geologii
rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN
SSSR, Moskva.

(Kola Peninsula—Carbonatites)

KUKHARENKO, A.A.; KLER, M.M.

Geochemistry of scandium in alkali-ultrabasic rocks of the Kola
Peninsula and Karelia. Zap,Vses.min.ob-va 91 no.5:520-536 '62.
(MIRA 15:11)

(Kola Peninsula--Scandium) (Karelia--Scandium)

KUKHARENKO, A.A.

Lithology and conditions governing the formation of the Asha
series in the western slope of the Central Ural. Uch.zap. 1962
no.310:245-274 '62. (MIRA 16:11)

KUKHARENKO, A.A.; BAGDASAROV, E.A.

Crystallochemical characteristics and the paragenesis of titanium
garnets from alkali-ultrabasic rocks of the Kola Peninsula. Uch.zap.
LGU no.312:115-138 '62. (MIRA 15:6)
(Kola Peninsula--Titanium) (Kola Peninsula--Garnet)

KUKHARENKO, A.A.

Monocline pyroxenes of alkali-ultrabasic rocks in the Kola Peninsula.
Uch.zap. LGU no.312:139-172 '62. (MIRA 15:6)
(Kola Peninsula--Pyroxenes)

ORIOVA, M.P.; KUKHARENKO, A.A.

Melilite from alkali-ultrabasic massifs of the Kola Peninsula. Uch.zap.
IGU no.312:173-189 '62. (MIRA 15:6)
(Kola Peninsula—Melilites)

KUKHARENKO, A.A.

Basic problems of the geology of the platform alkali-ultrabasic rock
complexes. Uch.zap. LGU no.321:83-93 '62. (MIRA 15:6)
(Ultrabasite)

KUKHARENKO, A.A.

Geochemistry of zirconium and hafnium in alkali-ultrabasic
igneous complexes. Vop. magm. i metam. 1:108-124 '63.

(MIRA 16:8)

(Kola Peninsula--Zirconium)
(Kola Peninsula--Hafnium)

(Karelia--Zirconium)
(Karelia--Hafnium)

KUKHARENKO, A.A.; FRANK-KAMENETSKIY, V.A.; SHAFRANOVSKIY, I.I.

Once more on the reference book "Minerals"; a review. Zap.Vses.min.ob-va
92 no.1:108-111 '63. (MIRA 16:4)

(Minerals)

KUKHARENKO, A.A.

V.I.Vernadskii and modern mineralogy; on the 100th anniversary of his
birth. Zap.Vses.min.ob-va 92 no.4:385-393 '63. (MIRA 17:2)

KUKHARENKO, A.A.

Crystallochemical factor of element differentiation. Zap. Vses.
min. ob-va 94 no.1:3-9 '65.

(MIRA 18:3)

KUKILARENKO, A.A.; FAFURINA, E.N.; YAKIMOVA, P.P.; YAKOVLEVA, S.S.

Geochemistry of rare-earth elements in the alkali-ultrabasic rocks
of the Kola Peninsula and Karelia. Min. i geokhim. no.1:211-236
'64. (MIRA 18:9)

KUKHARUKHO, A.A.; MURAV'YEVA, L.P.

Geochemistry of scandium in the alkali gabbroids of Karelia.
Min. i geokhim. no.1:181-191 '64. (MIRA 18:9)

TATARSKIĬ, Vitaliy Borisovich; KUKHARINKO, A. I., red.

[Crystal optics and the immersion method for studying]
Kristallooptika i immeralorugi metod issledovaniia mi-
neralov. Moskva, Nedra, 1965. 305 p. (MIRA 18:12)

ALYAVDIN, V.F.; BONSHTEDT-KUPLETSKAYA, E.M.; GODLEVSKIY, M.N., doktor geol.-mineral.nauk; KOMKOV, A.I.; KUKHARENKO A.A., prof.; SAL'DAU, E.P.; SMOL'YANINOVA, N.N.; BORNEMAN-STARYNKEVICH, I.D.; TATARSKIY, V.B., prof.; FRANK-KAMENETSKIY, V.A.

From the Commission on New Minerals of the Mineralogical Society of the U.S.S.R. Zap.Vses.min.ob-va 94 no.5:555-565 '65. (MIRA 18:11)

1. Komissiya po novym mineralam Vsesoyuznogo mineralogicheskogo obshchestva. 2. Predsedatel' Komissii po novym mineralam Vsesoyuznogo mineralogicheskogo obshchestva (for Frank-Kamenetskiy). 3. Zamestitel' predsedatelya Komissii po novym mineralam Vsesoyuznogo mineralogicheskogo obshchestva (for Bonshtedt-Kupletskaya). 4. Sekretar' Komissii po novym mineralam Vsesoyuznogo mineralogicheskogo obshchestva (for Sal'dau).

~~KUKHARENKO~~ A.P. inzh.; MENDELEVICH, G.Sh., inzh.

Nomograms for determining transformer losses. Mekh. i elek. sots. sel'khoz.
16 no. 5:45 ' 58. (MIRA 11:11)

1. Stalingradskoye otdeleniye Tyazhpromoelektroproyekta.
(Nomography(Mathematics)) (Electric transformers)

1011/EP5/1-3/ENC(1)/EPA(1)-2 Pab-6/Pab-1/Pab-10/P1-4 LUP(c) JH/AT

1006/9201

• • • • •

... Paroyev, Yu. A. (Moscow); Kikharenko, A. T. (Moscow)

Quasi-one-dimensional motion of a plasma in crossed electric and magnetic

Физика высоких температур, в. 3, no. 1, 1965, 86-101

1961-1963: magnetohydrodynamics, mhd generator, plasma motion, plasma field interaction

Abstract: It is pointed out in the introduction that most published analyses of the motion of a plasma in magnetohydrodynamic channels are based on the assumption of constant Mach number, constant velocity, or other simplifying assumptions. We have therefore undertaken to analyze a sufficiently large class of operations of wind channels and to choose an apparatus which will make the required variation of the main parameters. To this end they consider a quasi-stationary flow of ionized gas in channels of arbitrary cross section in the case of arbitrary values of the magnetic field and the electric field. The operating conditions analyzed are those of the USSR Academy of Sciences Institute of High-Speed Aerodynamics.

